

In the Claims:

Please enter the following amended claim set:

1. (canceled)

2. (currently amended) A wastewater treatment system comprising a magnetism adding means for adding magnetism to material to be separated in wastewater, and a superconducting magnetic separation means for separating the material from the wastewater by collecting the magnetism-added material through the magnetic field generated by a solenoid-type superconducting magnet, wherein:

said superconducting magnetic separation means comprises in a bore of the superconducting magnet a multiunit magnetic filter consisting of a plurality of single-unit magnetic filters that are removably built up, and the multiunit magnetic filter has a longitudinal length at least equal or greater than a longitudinal length of the superconducting magnet;

and wherein the system further comprises a transfer and wash means for removing a single-unit magnetic filter from an upstream side of said multiunit magnetic filter by pushing in another single-unit magnetic filter from a downstream side, and for washing and returning the removed filter to the downstream side again during excitation of the superconducting magnet.

3. (canceled)

4. (currently amended) The wastewater treatment system as claimed in claim [[3]] 2, wherein:

said magnetism adding means adds magnetism to the material to be separated by attaching the material in the wastewater to a magnetism-added sorption agent in a treatment tank, and

said washing of the single-unit magnetic filters is performed in the treatment tank so that the sorption agent attached to the single-unit magnetic filters may be released and returned directly to the treatment tank.

5. (previously presented) The wastewater treatment system as claimed in claim 4, wherein said sorption agent comprises a microorganism-adhered porous material.

6. (canceled)

7. (previously presented) The wastewater treatment system as claimed in claim 4, wherein said sorption agent comprises a microorganism-adhered activated carbon.

8. (currently amended) The wastewater treatment system recited in Claim [[3]] 2, wherein:

the magnetism adding means attaches the material to be separated in the wastewater to a magnetism-seeded sorption agent in a treatment tank; and

the washing of the single-unit magnetic filters is performed in the treatment tank so that the sorption agent attached to the single-unit magnetic filters may be released and returned directly to the treatment tank.

9. (canceled)